



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-IL-34 [FAb1.1] Bulk Size Ab03933-2.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted mouse IgG2a Fc Silent™ antibody, based on the original mouse Fab format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** FAb1.1

**Alternative Name(s) of Target:** Interleukin-34; YW404.33.56

**UniProt Accession Number of Target Protein:** Q6ZMJ4

**Published Application(s):** Blocking, crystallization, neutralizing

**Published Species Reactivity:** Human, Mouse

**Immunogen:** The original antibody was generated by panning a Fab library against IL-34.

**Specificity:** The antibody is specific for human and murine IL-34. The antibody recognizes a largely continuous area at the junction of two IL-34 protomers. The epitope overlaps largely with binding epitopes responsible for CSF-1R binding.

**Application Notes:** The crystal structure of the Fab fragment of the antibody in complex with human IL-34 was determined. The original antibody was reformatted as an IgG molecules and the binding affinity of both formats measured by BLI experiments ( $K_d = 17$  nM and 120 pM respectively). The antibody blocked the biological activity of IL-34 in human monocyte viability. The antibody neutralized IL-34 in a proliferation assays (Ma et al., 2012; PMID: 22483114).

**Antibody First Published in:** Ma et al. Structural basis for the dual recognition of helical cytokines IL-34 and CSF-1 by CSF-1R. Structure. 2012 Apr 4;20(4):676-87. [PMID:22483114](#)

**Note on publication:** The original paper shows the structure of IL-34 in complex with the Fab fragment of the antibody.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.